

IN THE CLAIMS:

Please amend Claims 11, 17, and 23 as follows:

11. (Amended) An optical apparatus comprising:  
means for forming an image to be observed; and  
an ocular optical system for leading said image to  
an observer's eyeball,

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D1  
said ocular optical system including, in order from  
said image side, a third surface which forms an entrance  
surface, a first surface which forms both a reflecting  
surface and an exit surface, and a second surface which forms  
a reflecting surface, said first to third surfaces being  
integrally formed with a medium disposed therebetween,

B  
[wherein said medium has a refractive index larger  
than 1,]

wherein said means for forming an image is an image  
display device for forming an image for observation,

said device being disposed at a position facing  
said third surface,

said optical apparatus further comprising means for  
fitting both said device and said ocular optical system to an  
observer's head,

wherein at least said first surface in said ocular  
optical system is formed from a rotationally asymmetric  
curved surface so as to correct aberrations produced by a  
decentered surface having an optical action.

17. (Amended) An optical apparatus comprising:  
a device for displaying an image; and  
an ocular optical system for projecting an image  
formed by said device and for leading the image to an  
observer's eyeball,

*BK*  
*D*  
said ocular optical system comprising at least  
first, second and third surfaces, in which a space defined by  
said surfaces is filled with a medium, [having a refractive  
index larger than 1,]

*BZ*  
said device being disposed at a position facing  
said third surface,

said at least first, second and third surfaces  
including, in order from the observer's eyeball side toward  
said device, said first surface which serves as both a  
refracting surface and an internally reflecting surface, said  
second surface which serves as a reflecting surface of  
positive power and which faces said first surface and is  
decentered or tilted with respect to an observer's visual  
axis, and said third surface which serves as a refracting  
surface closest to said device,

wherein at least said first surface in said ocular  
optical system is formed from a rotationally asymmetric  
curved surface so as to correct aberrations produced by a  
decentered surface having an optical action.

*B3* *BK*  
*D*  
23. (Amended) An optical apparatus comprising:  
an image display device; and

an ocular optical system for projecting an image formed by said image display device and for leading the image to an observer's eyeball,

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panel  
said ocular optical system including a decentered optical element comprising at least first, second, and third surfaces, in which a space defined by said surfaces is filled with a medium, [having a refractive index larger than 1,] said surfaces including, from said observer's eyeball side toward said image display device, said first surface serving as both a refracting surface and a totally reflecting surface, said second surface serving as a reflecting surface of positive power which faces said first surface and is decentered or tilted with respect to an observer's visual axis, and said third surface serving as a refracting surface closest to said image display device,

said image display device being disposed at a position facing said third surface,

said ocular optical system further including at least one optical surface having refracting action, said decentered optical element and said at least one optical surface being disposed in an optical path which extends from said image display device to said observer's eyeball,

wherein at least said first surface in said ocular optical system is formed from a rotationally asymmetric curved surface so as to correct aberrations produced by a decentered surface having an optical action.

Please add Claims 37 through 47 as follows:

--37. An optical apparatus according to any one of Claims 11 through 16, wherein said medium is acrylic resin or glass.

38. An optical apparatus according to any one of Claims 17 through 20, wherein said medium is acrylic resin or glass.

39. An optical apparatus according to Claim 21, wherein said medium is acrylic resin or glass.

40. An optical apparatus according to Claim 22, wherein said medium is acrylic resin or glass.

41. An optical apparatus according to any of Claims 23 through 30, wherein said medium is acrylic resin or glass.

42. An optical apparatus according to Claim 31, wherein said medium is acrylic resin or glass.

43. An optical apparatus according to Claim 32, wherein said medium is acrylic resin or glass.

44. An optical apparatus according to Claim 33, wherein said medium is acrylic resin or glass.